Shawaz Imam
Princeton, New Jersey
(617) 564-1163 */* shawaz.imam@gmail.com
GitHub: https://github.com/shawazi
LinkedIn: https://www.linkedin.com/in/shawazi/
Website: https://www.shawaz.org

Summary
Resourceful, curious web developer with a passion for understanding the subdomains necessary to create robust, resilient, scalable, maintainable, secure architectures and applications. Most useful in a full stack web development role using workflows guided by **Agile** principles. Excel at cross-functional communication and using cost-benefit analyses to guide development. Deeply appreciative of the intricacies of computer programming and the necessity of constant information consumption to ensure security and adherence to software development standards.

Skills
Languages: Python | Rust | Solidity | HTML | CSS | JavaScript | TypeScript | SQL
Operating Systems: Linux | Windows | Mac
Front-end: React.js | Next.js | SASS | Bootstrap | Tailwind | Material UI | Chakra UI | Redux | Context API
Back-end: Django | Django Rest Framework (DRF) | Flask | FastAPI | Node.js | Express | REST APIs | PostgreSQL
DevOps: GitHub Actions | Jenkins | Docker | AWS | EC2 | Lambda
Tools: Gulp | Slack | Jira | Git | GitHub | Postman | Agile | Scrum | Trello | Solana | Polygon | DexScreener | SolScan | PolygonScan | Solflare | Phantom Wallet | ethers.rs

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Experience
Hyperbaric Personnel
Hyperbaric Technician (October 2023 - Present)
- Installed soft and hard hyperbaric chambers at client locations.
- Presented **operational guidelines** in an easily digestible format.
- **Maintained operational capabilities** of equipment (compressor, dehumidifier, AC, oxygen concentrator, chamber valves and ports).
- Modulated pressurization and depressurization rate according to **client needs**.
- Maintained constant **awareness of risk factors** to ensure client safety.
- Ensured constant **adherence to client expectations** and schedules.

NioyaTech
Full Stack Developer (November 2022 - May 2024)
- Maintained and further developed existing codebases, integrating **React** applications with **Django REST APIs** into applications encompassing both third-party services and custom APIs.
- Translated user requirements into comprehensive, accurate project designs and implementation plans according to Agile and Scrum principles, using Jira for task management.

- Collaborated with a team of 4 developers to design websites, data paradigms, and attractive user interfaces for scalable React platforms capable of handling a minimum daily influx of 100K visitors.
- Implemented efficient state management using **React hooks, Context**, and **Redux** across various projects leading to an average of 87% faster load times across 7 test applications.
- Leveraged knowledge of React fundamentals to optimize component lifecycle practices, utilizing hooks such as useState, useEffect, useMemo, and useCallback.
- Acquired further expertise in 3 operating systems (**Mac**, **Linux**, **Windows**), Version Control Systems (**Git & GitHub**), Software Development Life Cycle (**SDLC**), Software Testing Life Cycle (**STLC**), and **CI/CD** pipelines.
- Utilized **React Router**, numerous **CSS** libraries, **Axios**, **built-in hooks**, and many other tools to create user-friendly software applications while ensuring back-end optimization as well as responsive front-end performance.

Projects

Inventory Management App:
- Built full stack e-commerce inventory management application incorporating **Tailwind CSS, React**, **Django**, **PostgreSQL**, **Docker,** and **GitHub Actions**.
- Designed front-end **UI/UX** and implemented designs using effective and secure React libraries to enable user authentication, views, Create Read Update Delete (**CRUD**) functionalities, and data management.
- Determined back-end logic for admin interface, user permissions, models, views, and serializers for front-end integration.
- Implemented back-end logic via **Django Rest Framework** for URL routing, data and user permissions, serializers, filtering, searching, and data management.
- Identified optimization strategies to ensure application scalability and reliability under heavy loads, using built-in React hooks to reduce API call frequency.
- Deployed project on a flexible cloud platform with tight integration between front-end and back-end, comprehensive documentation for endpoint usage, and secure user authorization for protected access to API endpoints.

Arbitrage Bot:
- Designing, developing, and tuning a blockchain arbitrage program targeting Ethereum, PolygonPoS, and Solana.
- Using **Rust, Tokio, ethers.rs, Google Cloud, Terraform, Solidity,** and other tools.
- Parse through current blockhash data for each chain to find current price data of each token on each decentralized exchange; simulate transactions to estimate fees; calculate profitability based on pool liquidity and transaction fees; execute flash loan requests with profitable routing.
- Flash loans don't finalize the state of the chain if the entire set of instructions doesn't succeed, providing a failsafe for the user and the chain in case a trade stops being profitable in the time that it takes to execute.

Academic Education
Bachelor of Arts in Interdisciplinary Studies, concentration in Applied Psychology at University of Massachusetts, Amherst | 2024
Full Stack Developer Certification at Clarusway: 39201493244754 | 2023
High School Diploma at Cambridge Rindge and Latin High School | 2012